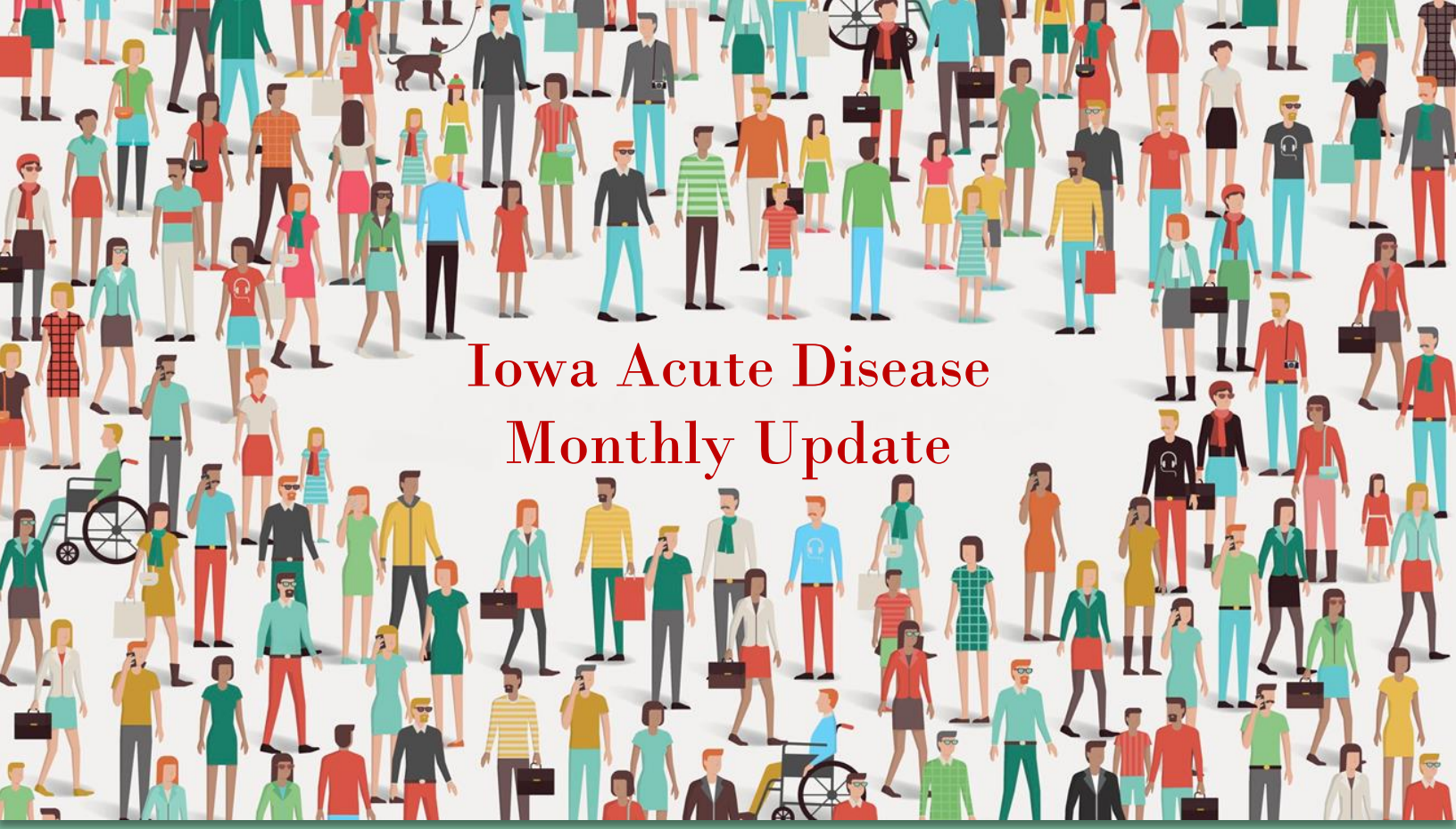

Iowa Acute Disease Monthly Update

Center for Acute Disease Epidemiology
May
2017

Iowa Department of Public Health

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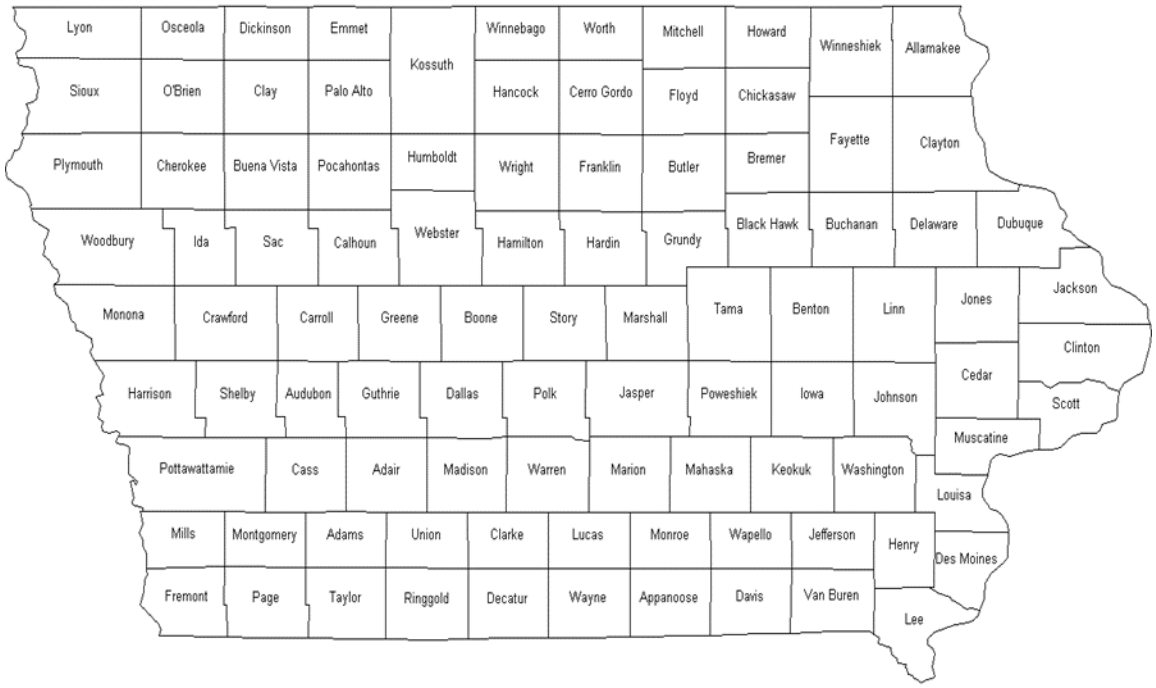
INTRODUCTION

The Center for Acute Disease Epidemiology (CADE) uses the most recent Council of State and Territorial Epidemiologists (CSTE) / Centers for Disease Control and Prevention (CDC) case definitions found on the National Notifiable Disease Surveillance System (NNDSS) page. These definitions are used to classify the case as confirmed, probable, suspect, not a case, or awaiting more information. **Only confirmed and probable cases meeting the CSTE/CDC case definitions are included in official case counts.** CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

Disease case counts were compiled from the Iowa Disease Surveillance System (IDSS). Data are provisional and subject to monthly reporting variation.

Rates were calculated using the 2010 census population for the State of Iowa.

Iowa County Boundaries and Population



POPULATION	IOWA					3,046,355
		2010 CENSUS				
ADAIR	7,472	FLOYD	16,092	MONONA	9,121	
ADAMS	3,894	FRANKLIN	10,548	MONROE	8,012	
ALLAMAKEE	14,169	FREMONT	7,080	MONTGOMER	10,424	
APPANOOSE	12,692	GREENE	9,139	MUSCATINE	42,836	
AUDUBON	5,873	GRUNDY	12,314	O'BRIEN	14,044	
BENTON	25,699	GUTHRIE	10,687	OSCEOLA	6,211	
BLACK HAWK	132,546	HAMILTON	15,312	PAGE	15,713	
BOONE	26,364	HANCOCK	11,094	PALO ALTO	9,185	
BREMER	24,624	HARDIN	17,441	PLYMOUTH	24,957	
BUCHANAN	20,976	HARRISON	14,431	POCAHONTAS	7,154	
BUENA VISTA	20,567	HENRY	20,222	POLK	451,677	
BUTLER	15,021	HOWARD	9,526	POTTAWATTA	92,728	
CALHOUN	9,926	HUMBOLDT	9,688	POWESHIEK	18,601	
CARROLL	20,598	IDA	7,141	RINGGOLD	5,072	
CASS	13,598	IOWA	16,330	SAC	10,071	
CEDAR	18,393	JACKSON	19,587	SCOTT	170,385	
CERRO GORDO	43,575	JASPER	36,641	SHELBY	11,961	
CHEROKEE	11,945	JEFFERSON	16,810	SIOUX	34,547	
CHICKASAW	12,321	JOHNSON	139,155	STORY	92,406	
CLARKE	9,325	JONES	20,611	TAMA	17,576	
CLAY	16,491	KEOKUK	10,329	TAYLOR	6,161	
CLAYTON	17,773	KOSSUTH	15,321	UNION	12,583	
CLINTON	48,420	LEE	35,682	VAN BUREN	7,436	
CRAWFORD	17,434	LINN	216,111	WAPELLO	35,391	
DALLAS	74,641	LOUISA	11,282	WARREN	47,336	
DAVIS	8,791	LUCAS	8,746	WASHINGTON	22,015	
DECATUR	8,136	LYON	11,712	WAYNE	6,402	
DELAWARE	17,534	MADISON	15,448	WEBSTER	37,044	
DES MOINES	40,480	MAHASKA	22,417	WINNEBAGO	10,554	
DICKINSON	16,955	MARION	33,252	WINNESHIEK	20,994	
DUBUQUE	95,697	MARSHALL	40,994	WOODBURY	102,130	
EMMET	9,996	MILLS	14,896	WORTH	7,541	
FAYETTE	20,502	MITCHELL	10,709	WRIGHT	12,972	

Case Counts for April 2017

Confirmed, Probable, and Suspect* Cases

Note: Only counties with cases in April are displayed in the table.

	Campylobacter	CRE *Enterobacter*	CRE *E. coli*	Crypto	*E. coli* (STEC)	*Giardia*	Hepatitis A	Hepatitis B chronic	Lyme	Mumps	Pertussis	*Salmonella*	*Shigella*	Total
Allamakee	1	-	-	-	-	-	-	-	-	-	-	2	-	**3**
Appanoose	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Benton	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Black Hawk	-	-	-	-	-	-	-	-	-	2	-	4	-	**6**
Boone	-	-	-	1	-	-	-	-	-	-	-	1	-	**2**
Buchanan	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Butler	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Cedar	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Cerro Gordo	-	-	-	-	-	-	-	1	-	-	1	-	-	**2**
Cherokee	1	-	-	-	-	-	-	-	-	-	-	2	-	**3**
Chickasaw	2	-	-	-	-	-	-	-	-	-	-	-	-	**2**
Clayton	2	-	-	-	-	-	-	-	-	-	-	1	-	**3**
Clinton	1	-	-	1	-	-	-	-	-	-	-	-	-	**2**
Crawford	-	-	-	-	-	-	-	-	-	1	-	-	-	**1**
Dallas	1	1	-	-	1	1	-	-	-	-	-	1	-	**5**
Delaware	-	-	-	-	-	-	-	-	-	-	-	2	-	**2**
Des Moines	1	-	-	-	1	-	-	-	-	-	-	1	-	**3**
Dickinson	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**
Dubuque	2	-	1	-	3	-	-	-	1	-	-	-	-	**7**
Floyd	4	-	-	-	-	1	-	-	-	-	-	-	-	**5**
Greene	-	-	-	2	-	-	-	-	-	-	-	-	-	**2**
Guthrie	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Hamilton	-	-	-	-	-	1	-	-	-	-	-	-	-	**1**
Hancock	-	-	-	-	1	-	-	-	-	-	-	-	-	**1**
Hardin	3	-	-	-	-	-	-	-	-	-	-	1	-	**4**
Harrison	1	-	-	-	-	1	-	-	-	-	-	-	-	**2**
Humboldt	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Iowa	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**
Jasper	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Johnson	4	-	-	-	1	-	-	-	1	3	-	2	-	**11**
Jones	2	-	-	-	1	-	-	-	-	-	-	1	-	**4**
Keokuk	2	-	-	-	-	-	-	-	-	-	-	-	-	**2**
Kossuth	-	1	-	-	-	-	-	-	-	-	-	-	-	**1**
Lee	-	-	1	-	-	-	-	-	-	-	-	-	-	**1**
Linn	6	-	-	1	1	-	-	2	-	1	-	1	1	**13**
Lyon	-	-	-	-	1	-	-	-	-	-	-	2	-	**3**
Mahaska	-	-	-	-	-	-	-	-	-	-	-	1	-	**1**
Marion	-	-	-	1	-	-	-	1	-	-	-	-	-	**2**
Mills	-	-	-	-	1	-	-	-	-	-	-	-	-	**1**
Mitchell	-	1	-	-	1	-	-	-	-	-	-	-	-	**2**
Monroe	-	-	-	1	-	-	-	-	-	-	-	-	-	**1**
Muscatine	-	-	-	-	-	-	1	-	-	-	-	-	-	**1**
O'Brien	1	-	-	-	1	-	-	-	-	-	-	1	-	**3**
Osceola	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Plymouth	-	-	-	-	-	-	-	-	-	1	-	-	-	**1**
Polk	9	-	1	1	3	2	-	1	-	-	-	3	4	**24**
Pottawattamie	3	-	-	-	1	1	-	1	-	-	-	3	1	**10**
Poweshiek	1	-	-	-	-	-	-	-	-	-	-	-	-	**1**
Sac	-	-	-	-	1	-	-	-	-	-	-	-	-	**1**
Scott	3	-	-	1	-	1	-	-	-	-	3	5	-	**13**
Sioux	5	-	-	6	3	-	-	-	-	-	-	2	-	**16**
Story	1	-	-	1	-	-	-	-	-	3	-	1	-	**6**
Wapello	2	-	-	-	-	-	-	-	-	-	-	-	-	**2**
Warren	2	-	-	-	-	-	-	-	-	-	-	2	-	**4**
Webster	3	-	-	1	1	-	-	-	-	-	-	-	-	**5**
Winneshiek	-	-	-	1	-	-	-	-	-	-	-	1	-	**2**
Woodbury	4	-	-	-	-	-	-	1	-	-	-	2	-	**7**
Wright	1	-	-	-	-	-	-	-	-	-	-	1	-	**2**
Total	**77**	**3**	**3**	**18**	**22**	**8**	**1**	**7**	**2**	**11**	**4**	**45**	**6**	**207**

*CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

YTD Case Counts 2017 (A-I)

Confirmed, Probable, and Suspect* Cases

	Campylobacter	CRE Citrobacter	CRE *Enterobacter*	CRE *Escherichia coli*	CRE *Klebsiella*	*Cryptosporidium*	*E. coli* (STEC)	*Giardia*	Hansen's disease	Hantavirus	Hepatitis A	Hepatitis B acute	Hepatitis B chronic	Hepatitis D	Legionellosis	Lyme	Malaria	Mumps	Pertussis	Q Fever Acute	*Salmonella*	*Shigella*	Total
Adair	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Allamakee	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	7
Appanoose	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Audubon	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Benton	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Black Hawk	1	-	-	-	-	1	-	2	-	-	-	-	5	1	-	-	-	10	-	-	11	-	31
Boone	2	-	1	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	9
Bremer	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-	5
Buchanan	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Buena Vista	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
Butler	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
Calhoun	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Carroll	1	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5
Cass	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cedar	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	6
Cerro Gordo	3	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	5	-	11
Cherokee	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	5
Chickasaw	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Clarke	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Clayton	4	-	-	-	-	1	2	-	-	-	-	-	-	-	1	-	-	5	-	-	3	-	16
Clinton	7	-	-	-	1	1	-	1	-	-	-	-	1	-	1	-	-	-	-	-	4	-	16
Crawford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2
Dallas	2	-	3	-	1	-	1	3	-	-	-	-	1	-	-	-	-	-	1	-	4	2	18
Davis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
Delaware	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	5	-	-	2	-	10
Des Moines	2	-	-	-	-	4	1	-	-	-	-	-	1	-	-	-	-	-	-	-	4	-	12
Dickinson	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4
Dubuque	13	-	1	1	1	5	7	1	-	-	-	-	2	-	-	4	-	15	-	-	2	2	54
Fayette	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Floyd	6	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	-	9
Franklin	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Greene	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Grundy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Guthrie	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Hamilton	1	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	4
Hancock	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Hardin	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	8
Harrison	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4
Henry	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Howard	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Humboldt	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Iowa	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3

*CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

YTD Case Counts 2017 (J-W)

Confirmed, Probable, and Suspect* Cases

	Campylobacter	CRE Citrobacter	CRE *Enterobacter*	CRE *Escherichia coli*	CRE *Klebsiella*	*Cryptosporidium*	*E. coli* (STEC)	*Giardia*	Hansen's disease	Hantavirus	Hepatitis A	Hepatitis B acute	Hepatitis B chronic	Hepatitis D	Legionellosis	Lyme	Malaria	Mumps	Pertussis	Q Fever Acute	*Salmonella*	*Shigella*	Total
Jackson	3	-	1	-	-	4	3	-	-	-	-	-	-	-	-	1	-	-	-	-	3	-	15
Jasper	2	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	1	7
Jefferson	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Johnson	10	-	-	1	-	1	3	5	-	-	-	-	6	-	-	4	1	5	-	-	11	-	47
Jones	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-	1	-	-	1	-	7
Keokuk	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Kossuth	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Lee	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4
Linn	17	1	-	-	-	8	4	-	-	-	-	-	6	-	-	2	1	5	-	-	7	2	53
Louisa	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Lucas	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Lyon	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4
Madison	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	4
Mahaska	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	3
Marion	2	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	1	-	3	-	9
Marshall	1	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	6
Mills	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4
Mitchell	1	-	1	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Monroe	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Montgomery	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Muscatine	1	-	-	-	-	1	1	2	-	-	1	-	2	-	-	-	-	-	-	-	1	-	9
O'Brien	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	5
Osceola	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Palo Alto	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Plymouth	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
Pocahontas	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Polk	31	-	2	1	1	8	7	15	-	-	1	-	24	-	-	1	-	4	6	1	31	8	141
Pottawattamie	8	-	1	1	-	1	4	3	-	-	-	-	4	-	2	-	-	-	-	-	5	5	34
Poweshiek	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3
Sac	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Scott	6	-	2	1	-	2	-	3	-	1	-	1	1	-	-	2	-	2	7	-	9	1	38
Shelby	3	-	-	-	-	2	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-	8
Sioux	9	-	-	-	-	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	25
Story	11	1	-	-	-	4	1	3	-	-	-	-	1	-	-	1	1	5	-	-	8	3	39
Tama	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	4
Van Buren	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Wapello	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	7
Warren	3	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	4	-	11
Wayne	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2
Webster	4	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	11
Winnebago	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
Winneshiek	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	-	-	1	1	11
Woodbury	7	1	2	-	-	2	-	-	1	-	-	1	4	-	-	-	-	-	-	-	4	3	25
Worth	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Wright	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3
Total	144	3	14	10	3	59	37	35	1	1	3	3	51	1	6	13	3	32	14	2	108	26	569

*CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

Case Counts for May 1, 2016 – April 30, 2017

Counties A-C

Confirmed and Probable Cases

	Anaplasmosis	Babesiosis	Brucellosis	*Campylobacter*	Chikungunya	CRE *Citrobacter*	CRE *Enterobacter*	CRE *Escherichia coli*	CRE *Klebsiella*	*Cryptosporidium*	*Cyclospora*	Dengue	*E. coli* (STEC)	Ehrlichioses	Ehrlichioses/Anaplasmosis undetermined	HUS	*Giardia*	Hansen's disease	Hantavirus	Hepatitis A	Hepatitis E	Hepatitis B acute	Hepatitis B chronic	Hepatitis D	*Legionella*	*Listeria*	Lyme	Malaria	Mumps	*N. meningitidis*	Pertussis	Q Fever Acute	Rocky Mountain spotted fever	*Salmonella*	*Shigella*	Tetanus	Tularemia	Typhoid fever	West Nile virus	Total
Adair	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	4
Adams	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Allamakee	-	-	-	6	-	-	-	-	-	5	-	-	1	-	-	-	2	-	-	-	-	-	2	-	-	-	3	-	-	-	-	-	-	6	1	-	-	-	-	26
Appanoose	-	-	-	4	-	-	1	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	1	12
Audubon	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	6
Benton	-	-	-	11	-	-	-	-	-	2	-	-	3	-	-	-	-	-	-	-	-	-	1	-	1	-	3	-	-	-	-	-	-	8	-	-	-	-	-	29
Black Hawk	-	-	-	21	-	-	-	-	-	6	-	-	2	-	-	1	9	-	-	-	-	1	12	2	1	-	2	1	87	-	4	-	3	40	2	-	-	-	-	194
Boone	-	-	-	8	-	-	1	-	-	4	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	7	-	-	-	-	1	29
Bremer	-	-	-	4	-	-	-	-	-	1	-	-	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	7	-	-	-	-	-	23
Buchanan	1	-	-	11	-	-	-	-	-	1	-	-	5	-	-	-	1	-	-	-	-	-	-	-	-	-	4	-	7	-	1	-	-	7	1	-	-	-	-	39
Buena Vista	-	-	-	6	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	16
Butler	-	-	-	6	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	1	-	-	4	-	-	-	-	-	17
Calhoun	-	-	-	13	-	-	-	-	-	2	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	19
Carroll	-	1	-	9	-	-	-	-	-	10	-	1	7	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	2	-	3	-	-	11	-	-	-	-	-	50
Cass	-	-	-	5	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	1	-	-	-	-	-	16
Cedar	-	-	-	9	-	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	2	-	-	3	2	-	-	-	-	25
Cerro Gordo	-	-	-	16	-	-	-	-	-	101	-	-	1	-	-	-	1	-	-	-	-	-	4	-	2	-	-	-	2	-	1	-	-	10	-	-	-	-	-	138
Cherokee	-	-	-	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	9
Chickasaw	-	-	-	6	-	-	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	18	-	1	-	-	-	32
Clarke	-	-	-	5	-	-	-	-	-	5	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	4	-	-	-	-	18
Clay	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	4
Clayton	1	-	-	17	-	-	-	-	-	13	-	-	5	-	-	-	5	-	-	-	-	-	-	-	1	-	11	-	6	-	2	-	-	5	-	-	-	-	-	66
Clinton	-	-	-	13	-	-	-	-	1	1	-	-	3	-	-	-	1	-	-	-	-	-	2	-	2	-	4	-	-	-	3	-	-	13	4	-	-	-	2	49
Crawford	-	-	-	6	-	-	-	-	-	1	-	-	11	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	6	5	-	-	-	-	32

Case Counts for May 1, 2016 – April 30, 2017

Counties D-I

Confirmed and Probable Cases

	Anaplasmosis	Babesiosis	Brucellosis	*Campylobacter*	Chikungunya	CRE *Citrobacter*	CRE *Enterobacter*	CRE *Escherichia coli*	CRE *Klebsiella*	*Cryptosporidium*	*Cyclospora*	Dengue	*E. coli* (STEC)	Ehrlichioses	Ehrlichioses/Anaplasmosis undetermined	HUS	*Giardia*	Hansen's disease	Hantavirus	Hepatitis A	Hepatitis E	Hepatitis B acute	Hepatitis B chronic	Hepatitis D	*Legionella*	*Listeria*	Lyme	Malaria	Mumps	*N. meningitidis*	Pertussis	Q Fever Acute	Rocky Mountain spotted fever	*Salmonella*	*Shigella*	Tetanus	Tularemia	Typhoid fever	West Nile virus	Total
Dallas	-	-	-	23	-	-	3	-	1	11	4	-	8	-	-	1	8	-	-	-	-	-	4	-	2	-	2	-	-	-	9	-	1	18	9	-	-	-	-	104
Davis	-	-	-	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4	-	-	-	-	-	9
Decatur	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6
Delaware	-	-	-	19	-	-	-	1	-	4	-	-	4	-	-	-	1	-	-	1	-	-	-	-	-	-	4	-	21	-	1	-	-	4	-	-	-	-	-	60
Des Moines	-	-	-	11	-	-	-	-	-	11	-	-	1	-	-	-	3	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	12	-	-	-	-	1	41
Dickinson	-	-	-	5	-	-	-	-	-	4	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	18
Dubuque	4	-	-	62	-	-	1	-	1	53	-	-	26	2	1	-	9	-	-	-	-	-	5	-	1	1	23	-	110	-	-	1	1	28	46	-	-	-	-	375
Emmet	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	8
Fayette	1	-	-	7	-	-	-	3	-	6	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	3	-	2	-	-	-	-	3	-	-	-	-	-	27
Floyd	-	-	-	13	-	-	-	-	-	4	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	13	-	-	-	-	-	34
Franklin	-	-	-	4	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	8
Fremont	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	7
Greene	-	-	-	4	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	12
Grundy	-	-	-	4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	2	-	-	-	-	-	11
Guthrie	-	-	-	9	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	16
Hamilton	-	-	-	5	-	-	-	-	-	3	-	-	1	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	1	-	-	-	-	5	1	-	-	-	-	19
Hancock	-	-	-	6	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	11
Hardin	-	-	-	15	-	-	-	-	-	2	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-	3	-	-	-	-	9	-	-	-	-	-	35
Harrison	-	-	-	6	-	-	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	17
Henry	-	-	-	4	-	-	-	-	-	6	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	1	19
Howard	-	-	-	4	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	10
Humboldt	-	-	-	9	-	-	-	-	-	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	18
Ida	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	5
Iowa	-	-	-	7	-	-	-	-	-	2	-	-	1	-	-	-	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	34	-	-	-	-	-	49

Case Counts for May 1, 2016 – April 30, 2017

Counties J-O

Confirmed and Probable Cases

	Anaplasmosis	Babesiosis	Brucellosis	*Campylobacter*	Chikungunya	CRE *Citrobacter*	CRE *Enterobacter*	CRE *Escherichia coli*	CRE *Klebsiella*	*Cryptosporidium*	*Cyclospora*	Dengue	*E. coli* (STEC)	Ehrlichioses	Ehrlichioses/Anaplasmosis undetermined	HUS	*Giardia*	Hansen's disease	Hantavirus	Hepatitis A	Hepatitis E	Hepatitis B acute	Hepatitis B chronic	Hepatitis D	*Legionella*	*Listeria*	Lyme	Malaria	Mumps	*N. meningitidis*	Pertussis	Q Fever Acute	Rocky Mountain spotted fever	*Salmonella*	*Shigella*	Tetanus	Tularemia	Typhoid fever	West Nile virus	Total
Jackson	-	-	-	14	-	-	1	-	-	9	-	-	6	-	-	-	1	-	-	-	-	-	1	-	-	-	7	-	-	-	-	-	-	8	-	-	-	-	-	47
Jasper	-	-	-	10	-	-	-	-	-	7	-	-	3	-	-	-	3	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	1	9	1	-	-	-	-	37
Jefferson	-	-	-	-	-	-	-	-	-	5	-	-	2	-	-	-	1	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	2	-	-	-	1	-	14
Johnson	-	-	-	37	-	-	-	1	-	4	-	-	14	1	-	-	16	-	-	-	-	-	27	-	1	-	39	4	22	-	4	1	1	50	18	-	-	-	2	242
Jones	-	-	-	10	-	-	-	-	-	7	-	-	8	-	-	-	-	-	-	-	-	-	1	-	1	-	2	-	1	-	-	-	-	4	-	-	-	-	-	34
Keokuk	-	-	-	10	-	-	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-	-	-	-	-	17
Kossuth	-	-	-	9	-	-	-	-	-	4	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	20
Lee	-	-	-	3	-	-	-	2	-	2	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	19
Linn	-	-	-	65	1	1	-	-	-	39	4	-	18	-	-	-	9	-	-	3	-	-	22	-	2	-	43	4	11	-	1	-	1	51	6	-	-	-	1	282
Louisa	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	6
Lucas	-	-	-	4	-	-	-	-	-	3	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	10	-	-	1	-	-	-	-	-	22
Lyon	-	-	-	12	-	-	-	1	-	15	-	-	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	3	39
Madison	-	-	-	8	-	-	-	-	-	5	-	-	1	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	5	-	-	-	-	-	25
Mahaska	-	-	-	8	-	-	-	-	-	7	-	-	2	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	6	-	-	-	-	-	26
Marion	-	-	-	9	-	-	-	-	-	7	-	-	1	-	-	-	3	-	-	-	-	-	1	-	-	-	3	-	1	-	1	-	-	8	1	-	-	-	-	35
Marshall	-	-	-	4	-	-	-	-	1	1	-	-	7	-	-	-	1	-	-	-	-	-	8	-	-	-	2	1	-	-	1	-	-	6	1	-	-	-	-	33
Mills	-	-	-	4	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	14	-	-	-	-	25
Mitchell	-	-	-	5	-	-	-	-	-	13	-	-	6	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	4	-	-	-	-	-	36
Monona	-	-	-	5	-	-	-	-	-	3	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11
Monroe	-	-	-	3	-	-	1	-	-	5	-	-	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	3	-	1	-	-	-	21
Montgomery	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3
Muscatine	-	-	-	6	-	-	-	-	-	3	-	-	3	-	-	-	3	-	-	1	-	-	3	-	1	-	5	-	3	-	4	-	-	13	2	-	-	-	-	47
O'Brien	-	-	-	6	-	-	-	-	-	2	-	-	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	2	19
Osceola	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-	-	9

Case Counts for May 1, 2016 – April 30, 2017

Counties P-W

Confirmed and Probable Cases

	Anaplasmosis	Babesiosis	Brucellosis	*Campylobacter*	Chikungunya	CRE *Citrobacter*	CRE *Enterobacter*	CRE *Escherichia coli*	CRE *Klebsiella*	*Cryptosporidium*	*Cyclospora*	Dengue	*E. coli* (STEC)	Ehrlichioses	Ehrlichioses/Anaplasmosis undetermined	HUS	*Giardia*	Hansen's disease	Hantavirus	Hepatitis A	Hepatitis E	Hepatitis B acute	Hepatitis B chronic	Hepatitis D	*Legionella*	*Listeria*	Lyme	Malaria	Mumps	*N. meningitidis*	Pertussis	Q Fever Acute	Rocky Mountain spotted fever	*Salmonella*	*Shigella*	Tetanus	Tularemia	Typhoid fever	West Nile virus	Total
Page	-	-	-	4	-	-	-	-	-	2	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Palo Alto	-	-	-	3	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	10
Plymouth	-	-	-	10	-	-	-	-	-	21	-	-	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	9	-	-	-	-	2	48
Pocahontas	-	-	-	7	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Polk	-	-	-	126	-	-	1	-	1	132	6	-	27	-	-	1	49	-	-	3	2	4	115	-	5	-	14	6	11	-	33	2	-	107	33	-	1	-	-	679
Pottawattamie	-	-	-	24	-	-	1	1	-	6	-	-	10	-	-	-	4	-	-	-	-	-	9	-	2	-	-	-	1	-	2	-	2	12	15	-	-	-	2	91
Poweshiek	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	-	-	-	6
Ringgold	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
Sac	-	-	-	11	-	-	-	-	-	2	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	21
Scott	-	-	-	26	1	-	1	1	-	7	-	1	4	-	-	-	9	-	1	-	1	1	16	-	10	-	9	2	5	-	24	-	-	33	5	-	-	-	1	158
Shelby	-	-	-	7	-	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	1	17
Sioux	-	-	-	28	-	-	-	-	-	31	-	6	4	-	-	-	10	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	15	1	-	-	-	11	107
Story	-	-	1	22	-	1	-	-	-	11	-	-	15	-	-	-	11	-	-	2	-	-	6	-	-	-	6	1	36	-	-	1	-	14	4	-	1	-	-	132
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Wapello	-	-	-	16	-	-	-	-	-	11	-	-	1	-	-	-	-	-	-	-	-	-	5	-	-	-	2	-	-	1	-	1	-	1	-	-	-	-	-	38
Warren	-	-	-	12	-	-	-	-	-	9	-	-	3	-	-	-	7	-	-	-	-	-	1	-	-	-	4	-	7	-	16	-	-	17	6	-	-	-	-	82
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Wayne	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	5
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Winnebago	-	-	-	5	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-	-	10
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Woodbury	-	-	-	19	-	1	2	-	-	35	-	-	6	-	-	-	2	1	-	-	-	1	12	-	-	-	-	-	-	-	1	-	-	16	6	-	-	-	2	104
Worth	-	-	-	7	-	-	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	14
Wright	-	-	-	4	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	12
Total	7	1	1	1037	2	3	15	14	5	734	14	9	286	4	1	5	250	2	1	16	3	8	275	3	37	3	223	23	380	1	141	7	10	783	210	2	3	1	37	4557

Campylobacteriosis Summary

May 1, 2016 – April 30, 2017
Confirmed and Probable Cases

77

Statewide campylobacteriosis cases in April
(confirmed, probable, and suspect*)

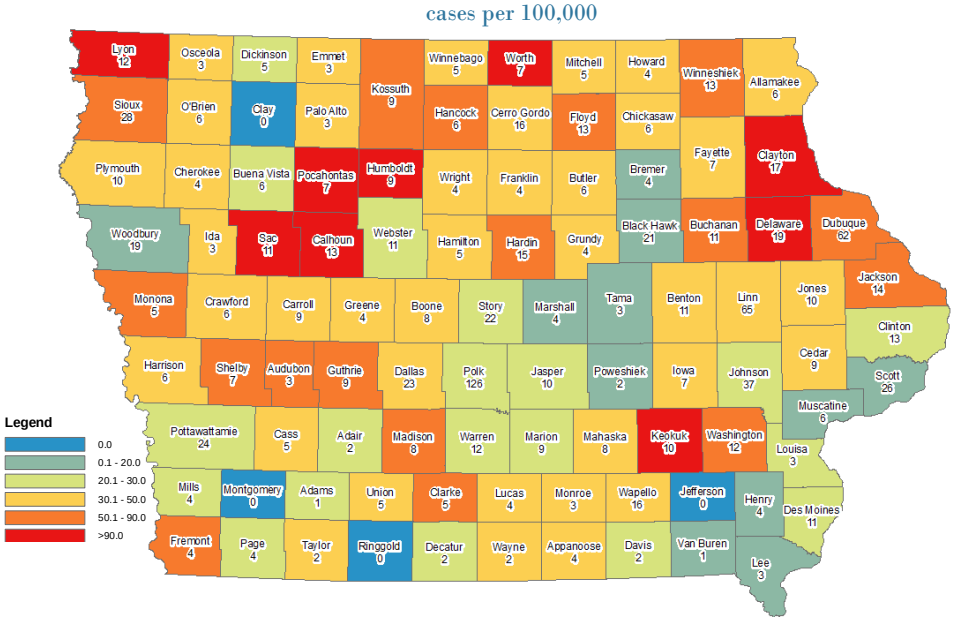
1037

Statewide campylobacteriosis cases in the past 12 months
(confirmed and probable)

533

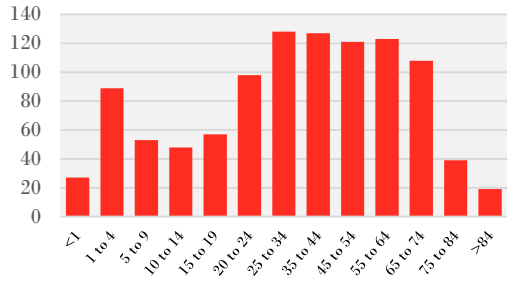
Average statewide campylobacteriosis cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of campylobacteriosis cases per 100,000

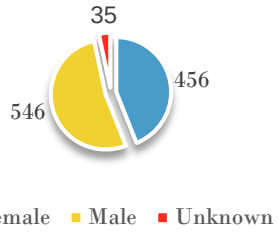


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

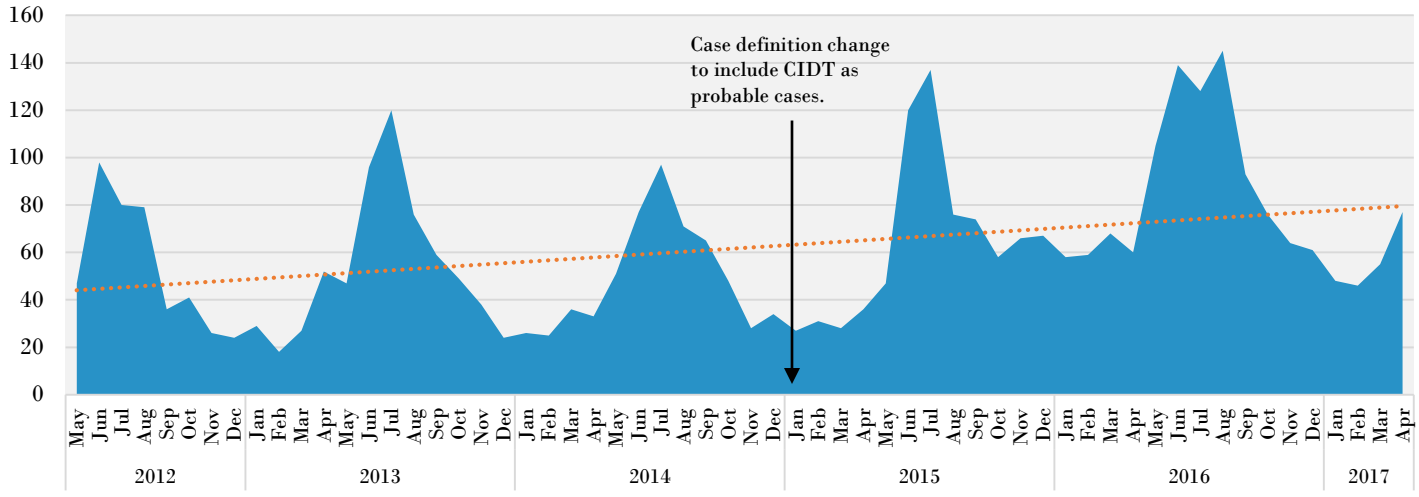
Campylobacteriosis cases by age past 12 months



Campylobacteriosis cases by gender past 12 months



Reported campylobacteriosis cases by date of onset or first lab result



*CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

Cryptosporidiosis Summary

May 1, 2016 – April 30, 2017

Confirmed and Probable Cases

18

Statewide cryptosporidiosis cases in April
(confirmed, probable, and suspect*)

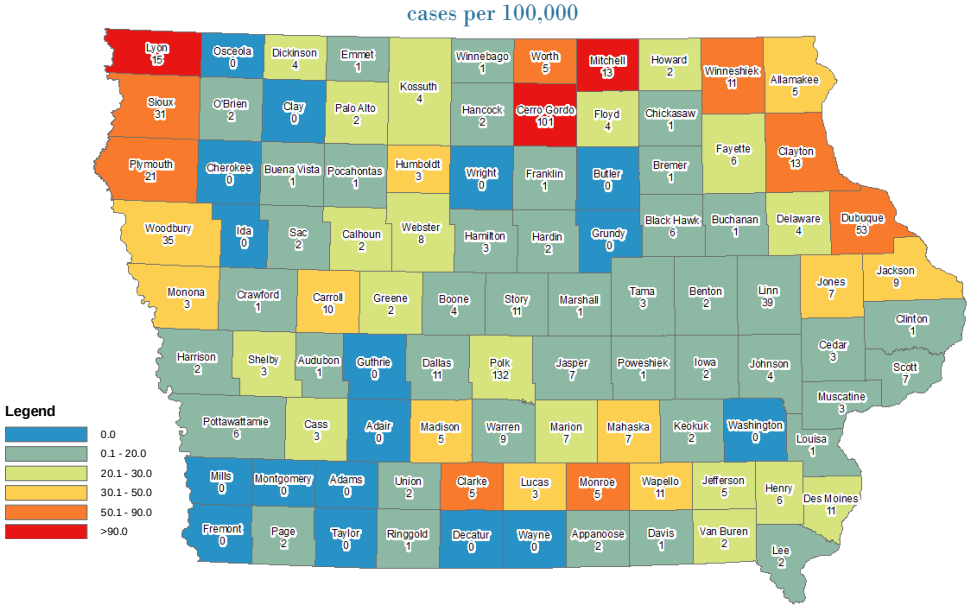
734

Statewide cryptosporidiosis cases in the past 12 months
(confirmed and probable)

499

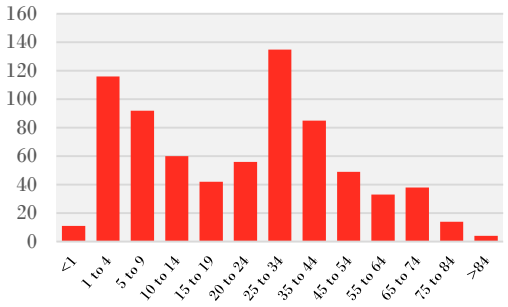
Average statewide cryptosporidiosis cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of cryptosporidiosis cases per 100,000

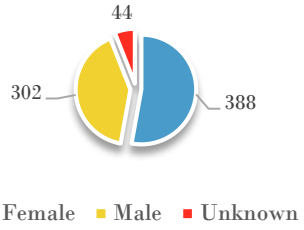


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

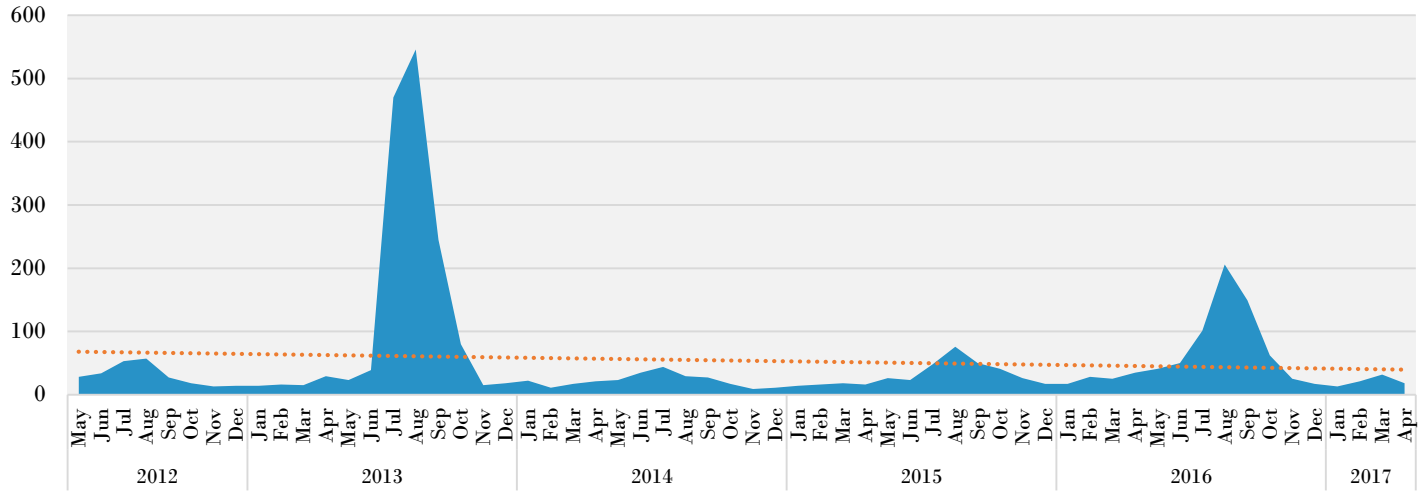
Cryptosporidiosis cases by age past 12 months



Cryptosporidiosis cases by gender past 12 months



Reported cryptosporidiosis cases by date of onset or first lab result



*CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

E. coli (STEC) Summary

May 1, 2016 – April 30, 2017
Confirmed and Probable Cases

22

Statewide E. coli (STEC) cases in April
(confirmed, probable, and suspect*)

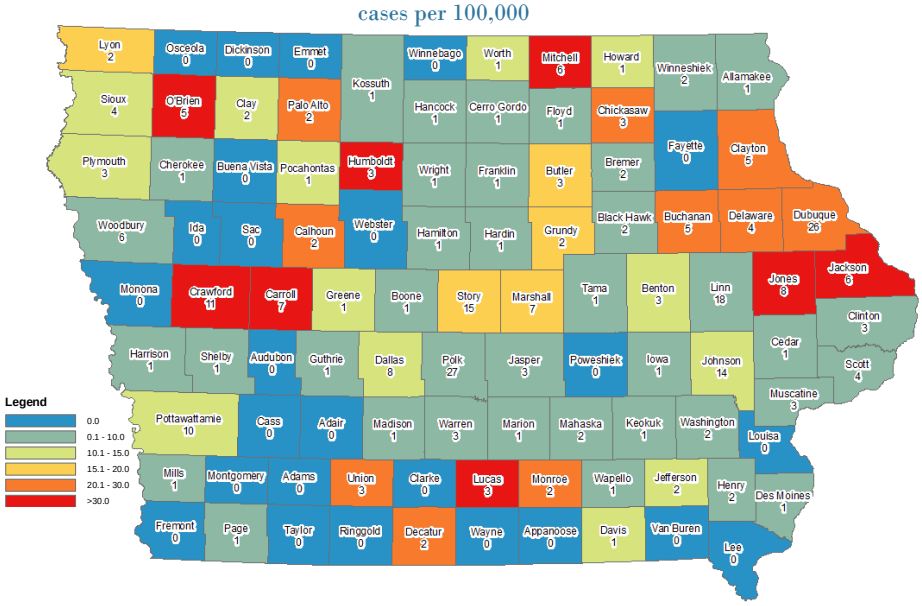
286

Statewide E. coli (STEC) cases in the past 12 months
(confirmed and probable)

153

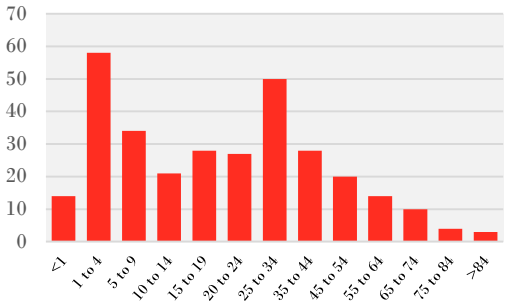
Average statewide E. coli (STEC) cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of E. coli (STEC) cases per 100,000

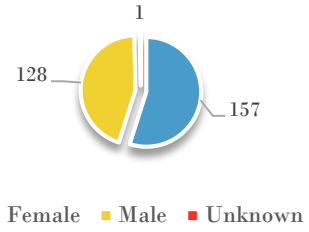


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

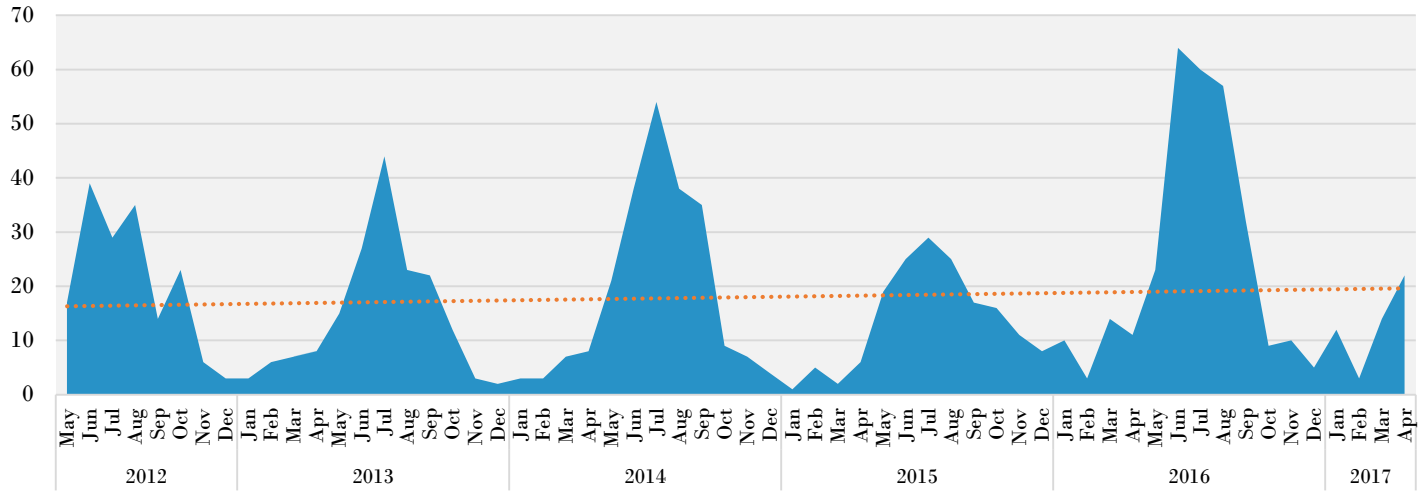
E. coli (STEC) cases by age past 12 months



E. coli (STEC) cases by gender past 12 months



Reported *E. coli* (STEC) cases by date of onset or first lab result



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Mumps Summary

May 1, 2016 – April 30, 2017

Confirmed and Probable Cases

11

Statewide mumps cases in April
(confirmed, probable, and suspect*)

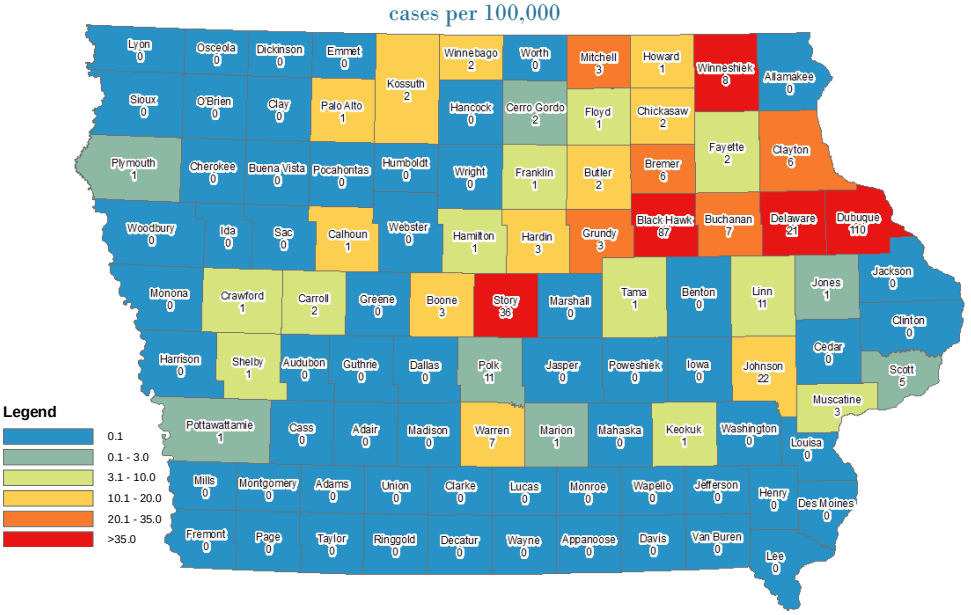
380

Statewide mumps cases in the past 12 months
(confirmed and probable)

170

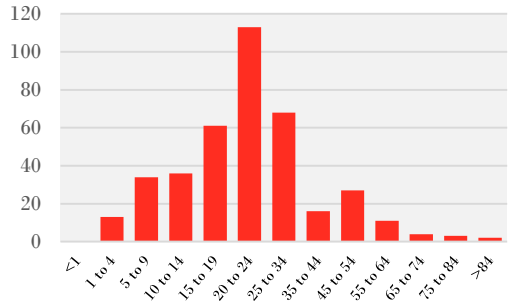
Average statewide mumps cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of mumps cases per 100,000

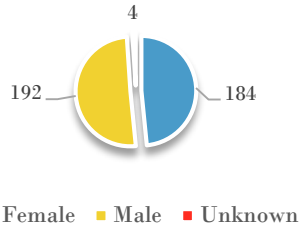


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

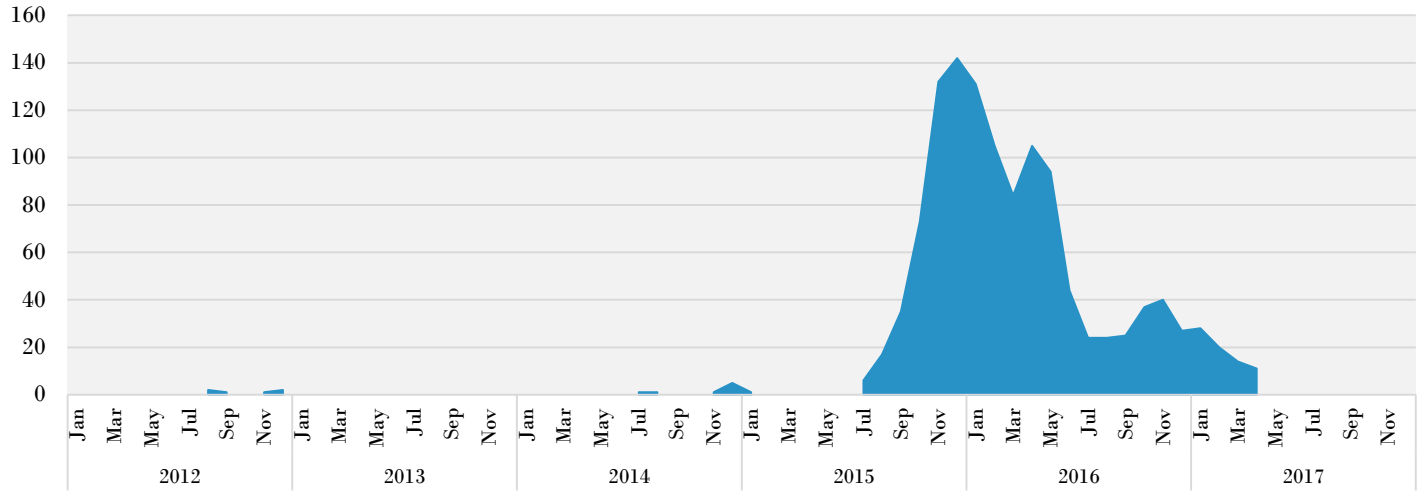
Mumps cases by age past 12 months



Mumps cases by gender past 12 months



Reported mumps cases by date of onset or first lab result



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Pertussis Summary

May 1, 2016 – April 30, 2017
Confirmed and Probable Cases

4

Statewide pertussis cases in April
(confirmed, probable, and suspect*)

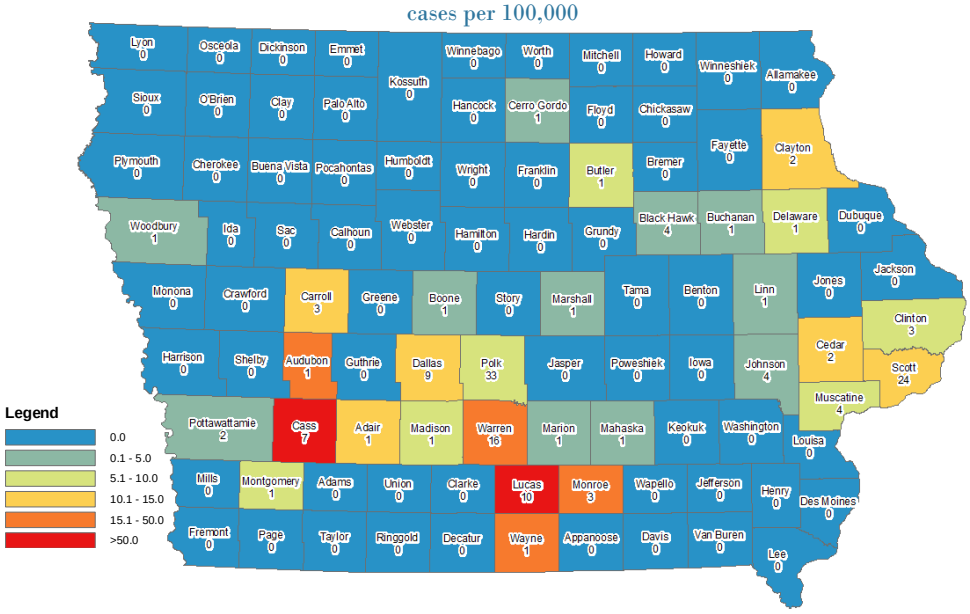
141

Statewide pertussis cases in the past 12 months
(confirmed and probable)

429

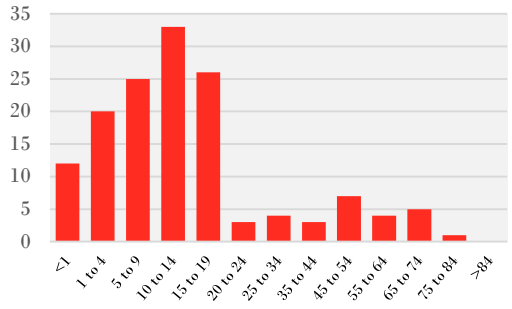
Average statewide pertussis cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of pertussis cases per 100,000

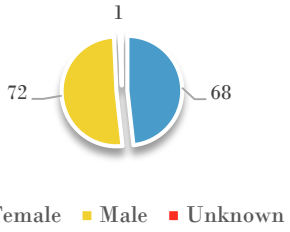


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

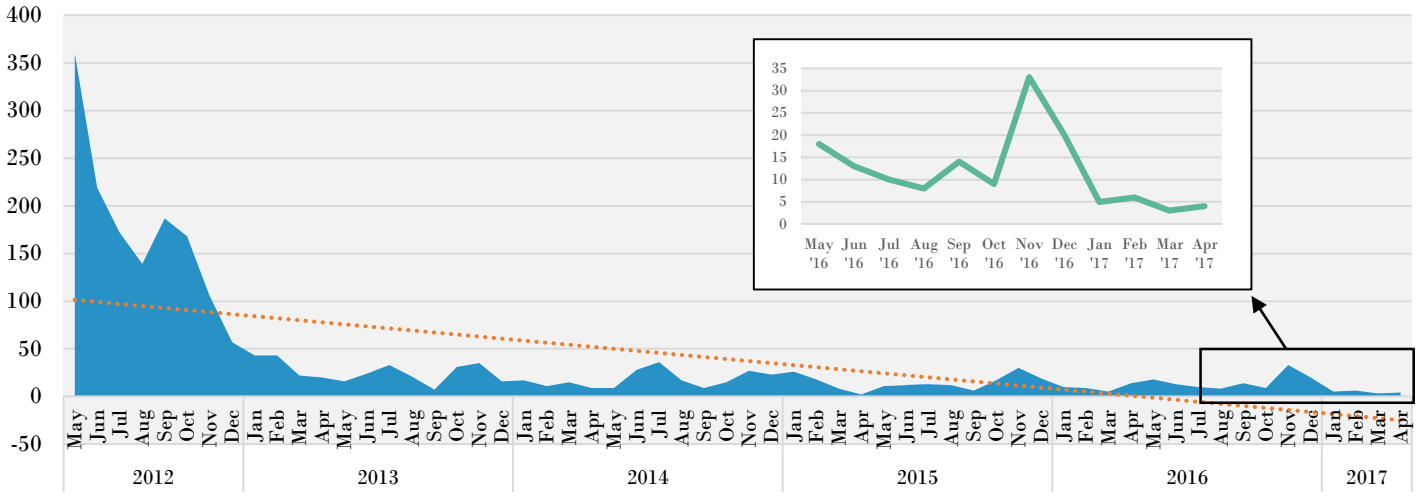
Pertussis cases by age past 12 months



Pertussis cases by gender past 12 months



Reported pertussis cases by date of onset or first lab result



*CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

Salmonellosis Summary

May 1, 2016 – April 30, 2017
Confirmed and Probable Cases

45

Statewide salmonellosis cases in April
(confirmed, probable, and suspect*)

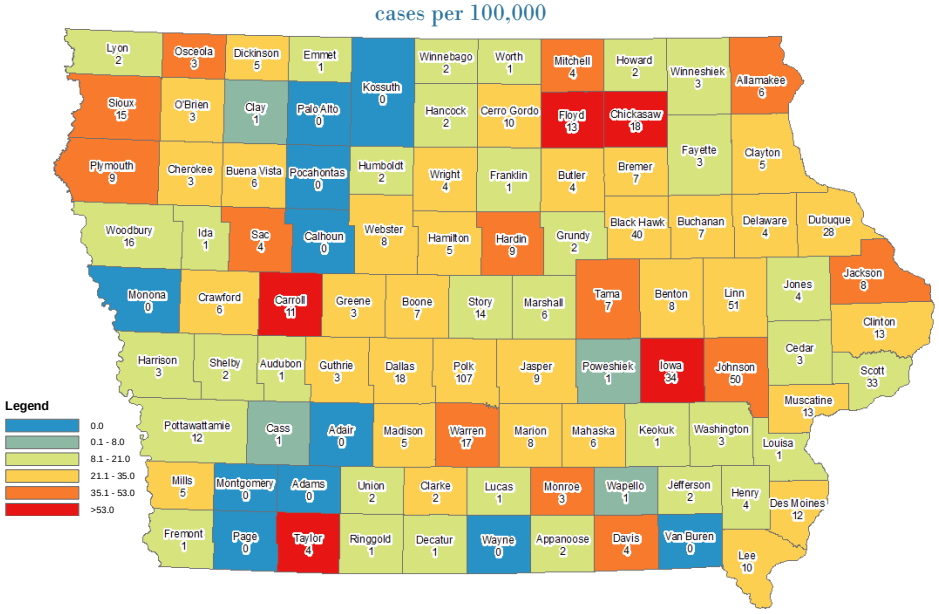
783

Statewide salmonellosis cases in the past 12 months
(confirmed and probable)

481

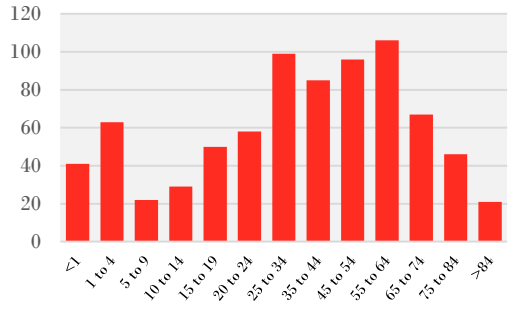
Average statewide salmonellosis cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of salmonellosis cases per 100,000

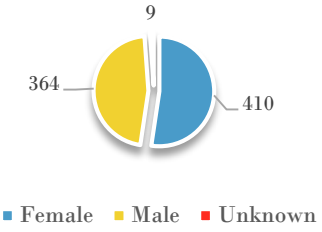


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

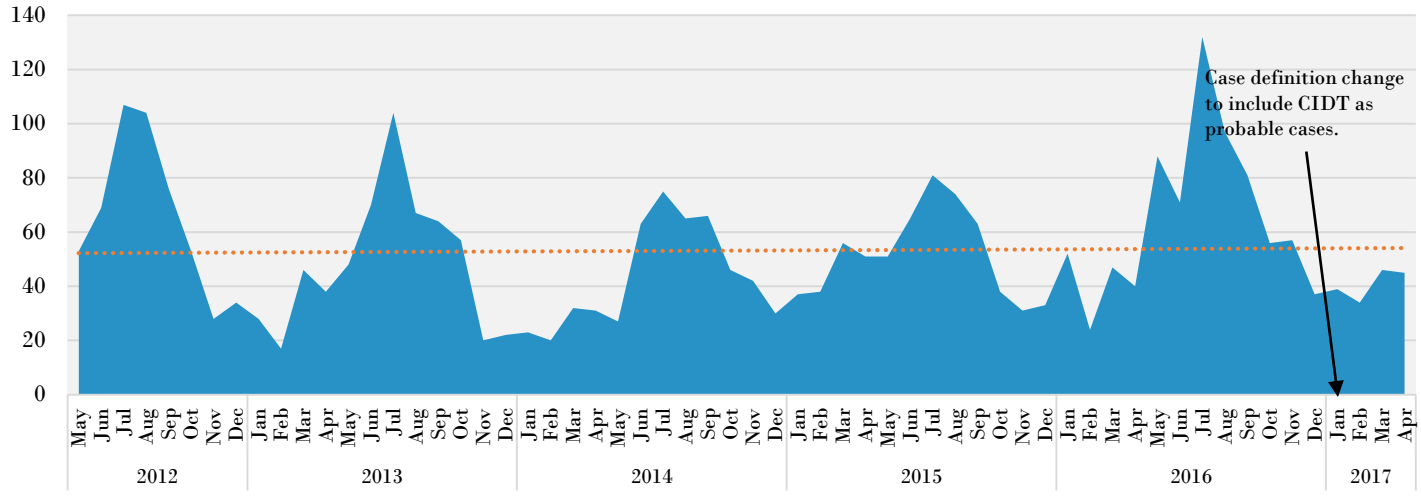
Salmonellosis cases by age past 12 months



Salmonellosis cases by gender past 12 months



Reported salmonellosis cases by date of onset or first lab report



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Shigellosis Summary

May 1, 2016 – April 30, 2017
Confirmed and Probable Cases

6

Statewide shigellosis cases in April
(confirmed, probable, and suspect*)

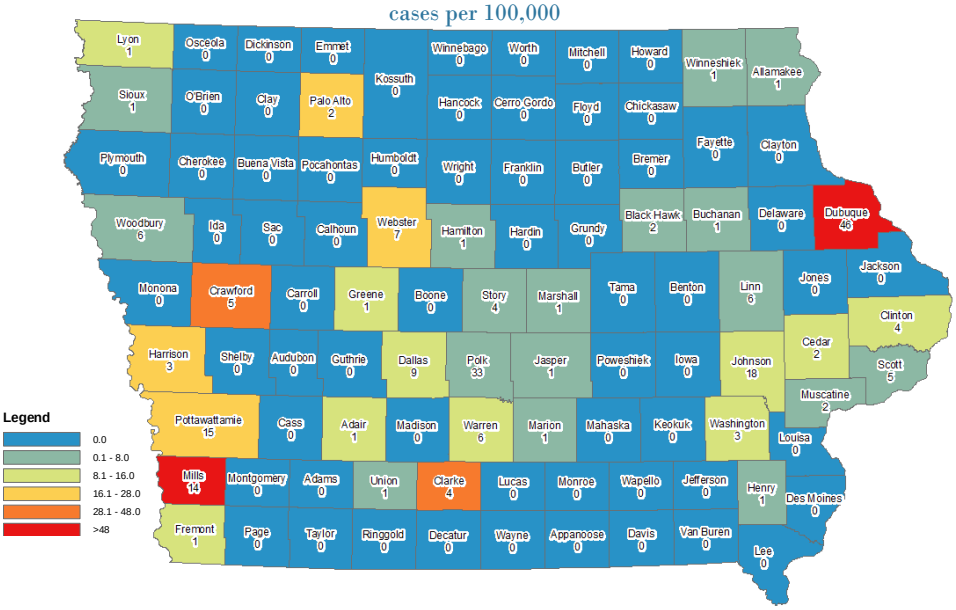
210

Statewide shigellosis cases in the past 12 months
(confirmed and probable)

313

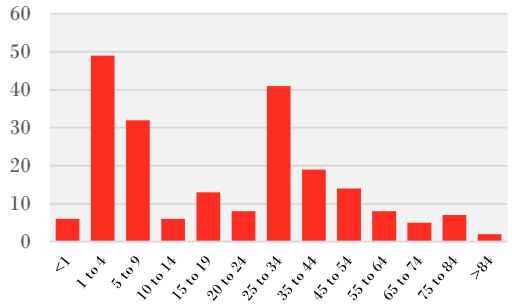
Average statewide shigellosis cases in the past 5 years for the same time period
(confirmed and probable)

12 Month county rates of shigellosis cases per 100,000

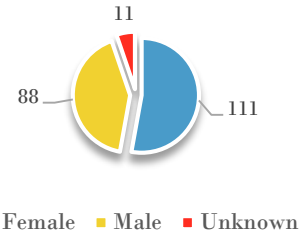


Note that rates bases on <20 cases are not reliable and should be interpreted with caution

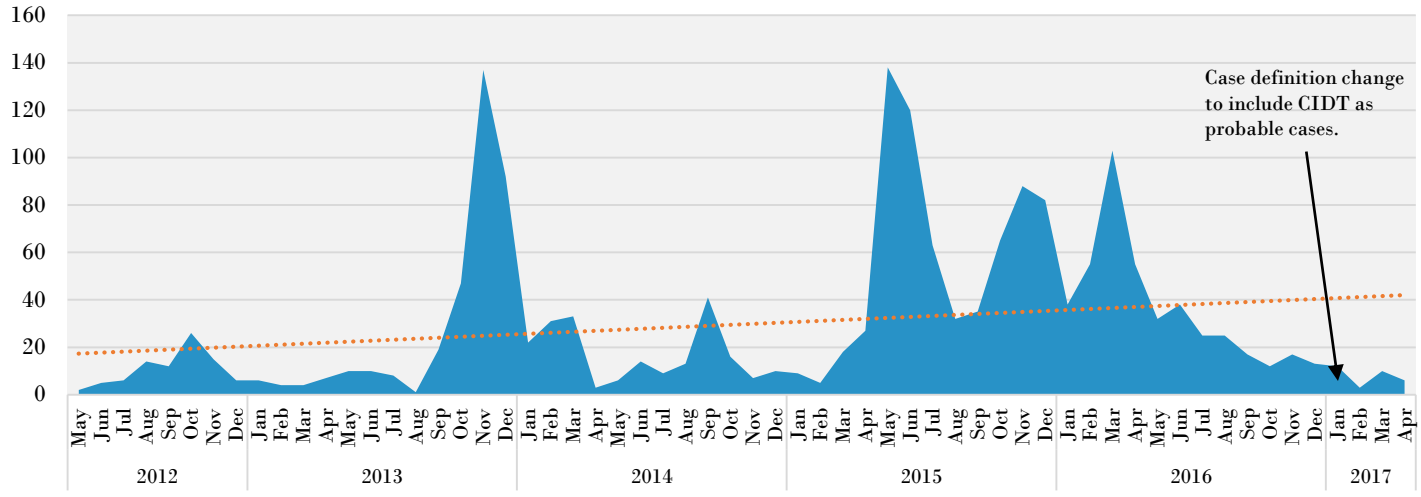
Shigellosis cases by age past 12 months



Shigellosis cases by gender past 12 months



Shigellosis cases by date of onset or first lab result



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IOWA DEPARTMENT OF PUBLIC HEALTH

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